Please enter the Examiner's Amendment to Claim 7. Thanks. Ro 3/22/05

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Claim 7, line 8, change a typographical error "s aid" to --said--.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bentsu Ro whose telephone number is 571 272-2072. The examiner can normally be reached on WS08605.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Martin can be reached on 571 272-2107. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

3/22/2005

Bentsu Ro
Bentsu Ro
Senior Examiner
Art Unit 2837

wherein said combining network acceleration input is for receiving said differential acceleration signal, and

wherein said combining network first signal processor is for processing said differential acceleration signal to provide said modified acceleration signal.

7. (original) Open loop position detection apparatus, comprising:

an accelerometer for providing an acceleration signal representative of acceleration of a movable element,

a combining network having an acceleration input for receiving said acceleration signal, a position input for receiving a position signal representative of position of said movable element, and an output for providing an inferred position signal representative of an inferred position of said movable element,

said network including a first signal processor for processing said acceleration signal to provide a modified acceleration signal, said first signal processor comprising a low-pass filter,

a second signal processor for processing said position signal to provide a modified position signal, and

a combiner for additively combining said modified acceleration signal with said modified position signal to provide said inferred position signal.

8. (original) Open loop position detecting apparatus in accordance with claim 7, further comprising

a second accelerometer, for providing a reference element acceleration signal representative of acceleration of a reference element;

a differential acceleration measuring element, comprising

a first acceleration input for receiving said movable element acceleration signal,

a second acceleration input for receiving said reference element acceleration signal, and

an output for providing a differential output signal representative of a differential acceleration of said movable acceleration signal and said reference element acceleration signal,